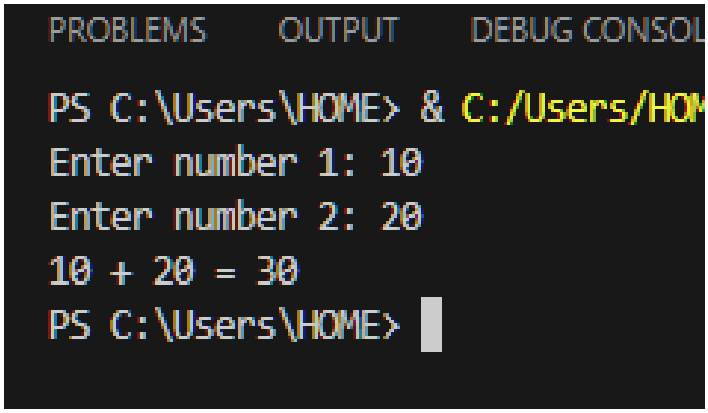
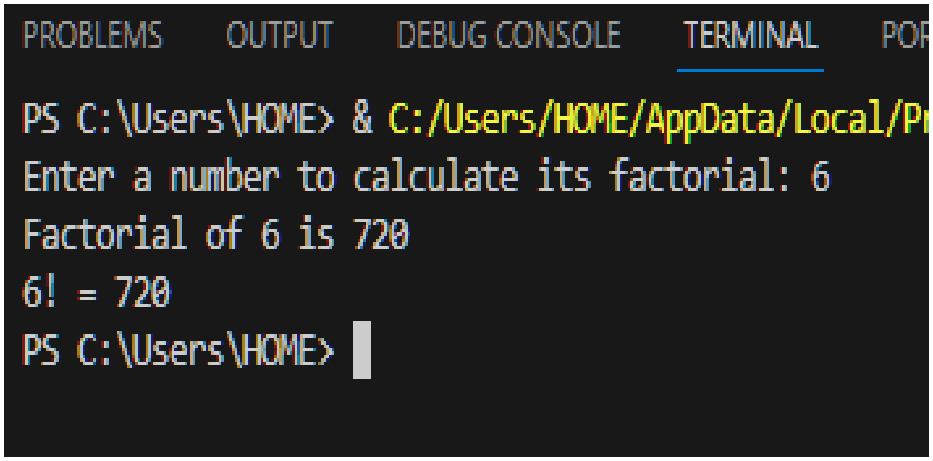
```
a = int(input("Enter number 1: "))
b = int(input("Enter number 2: "))
sum = a + b
print(f"{a} + {b} = {sum}")
```

Output:



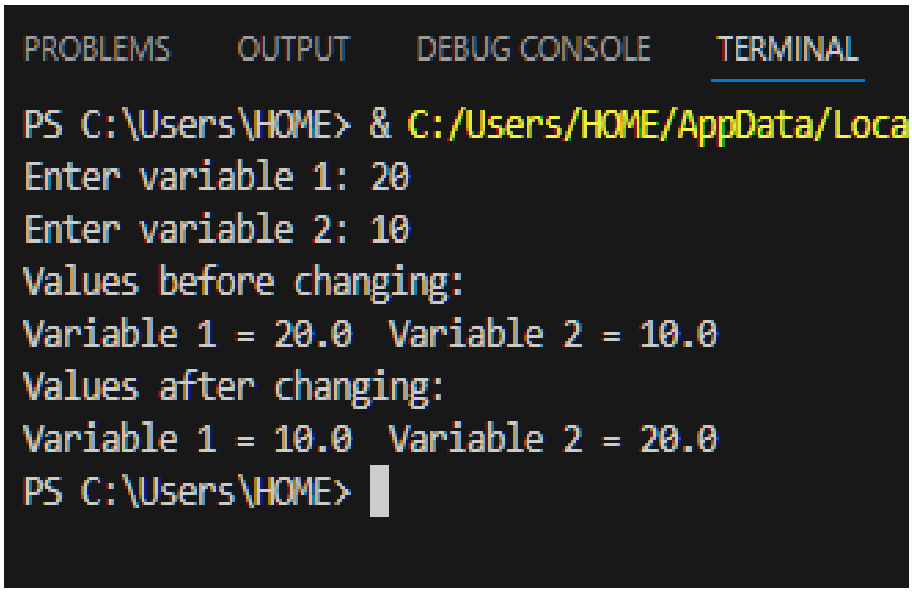
```
n = int(input("Enter a number to calculate its factorial: "))

while n > 20 or n < 0:
    n = int(input("Please enter a number between 0 and 20: "))

factorial = 1
for i in range(2, n+1, 1):
    factorial *= i

print(f"Factorial of {n} is {factorial}\n{n}! = {factorial}")
```

Output:



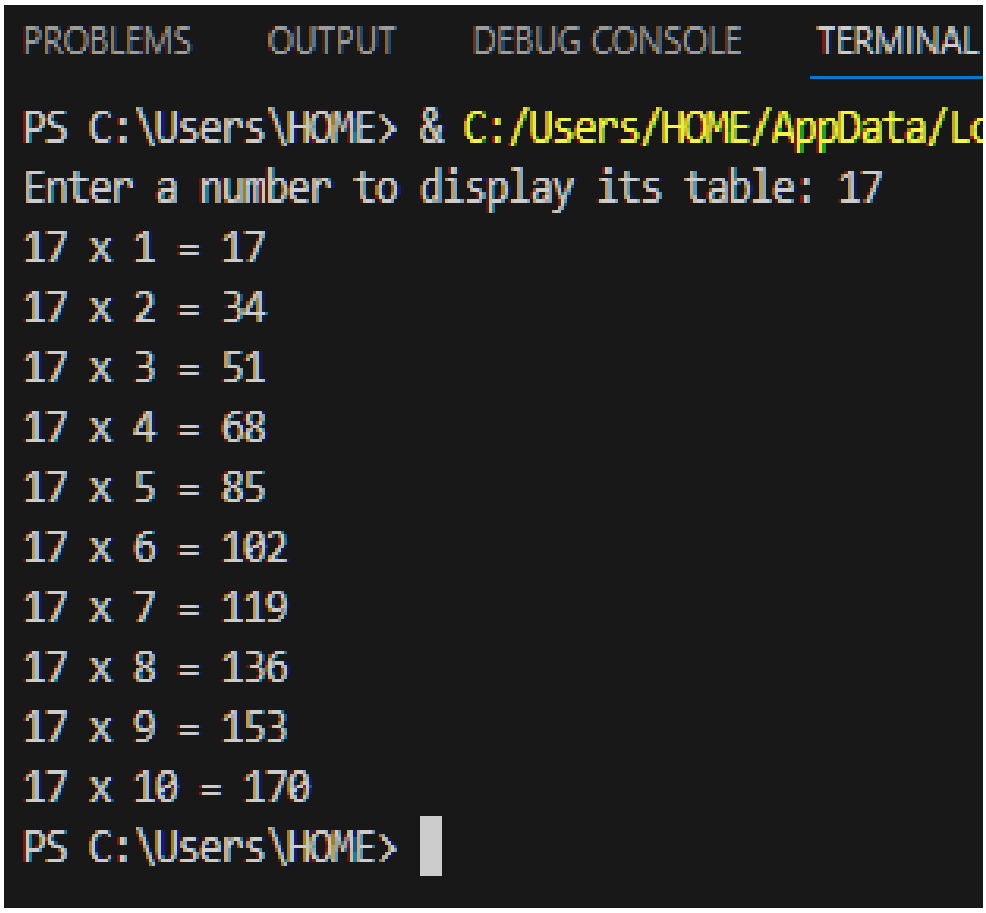
```
a = float(input("Enter variable 1: "))

b = float(input("Enter variable 2: "))


print(f"Values before changing:\nVariable 1 = {a}  Variable 2 = {b}")


a,b = b,a


print(f"Values after changing:\nVariable 1 = {a}  Variable 2 = {b}")
```

Output:



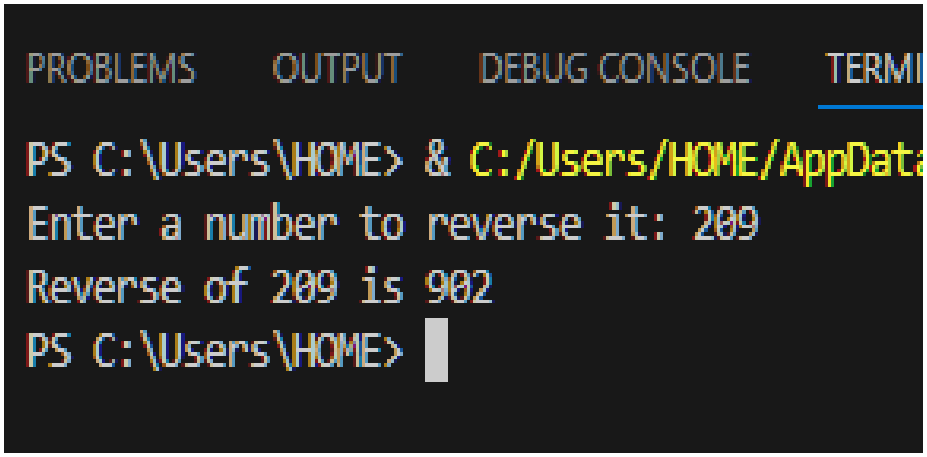
```
n = int(input("Enter a number to display its table: "))


for i in range(1,11,1):
    print(f"{n} x {i} = {n*i}")
```

Output:



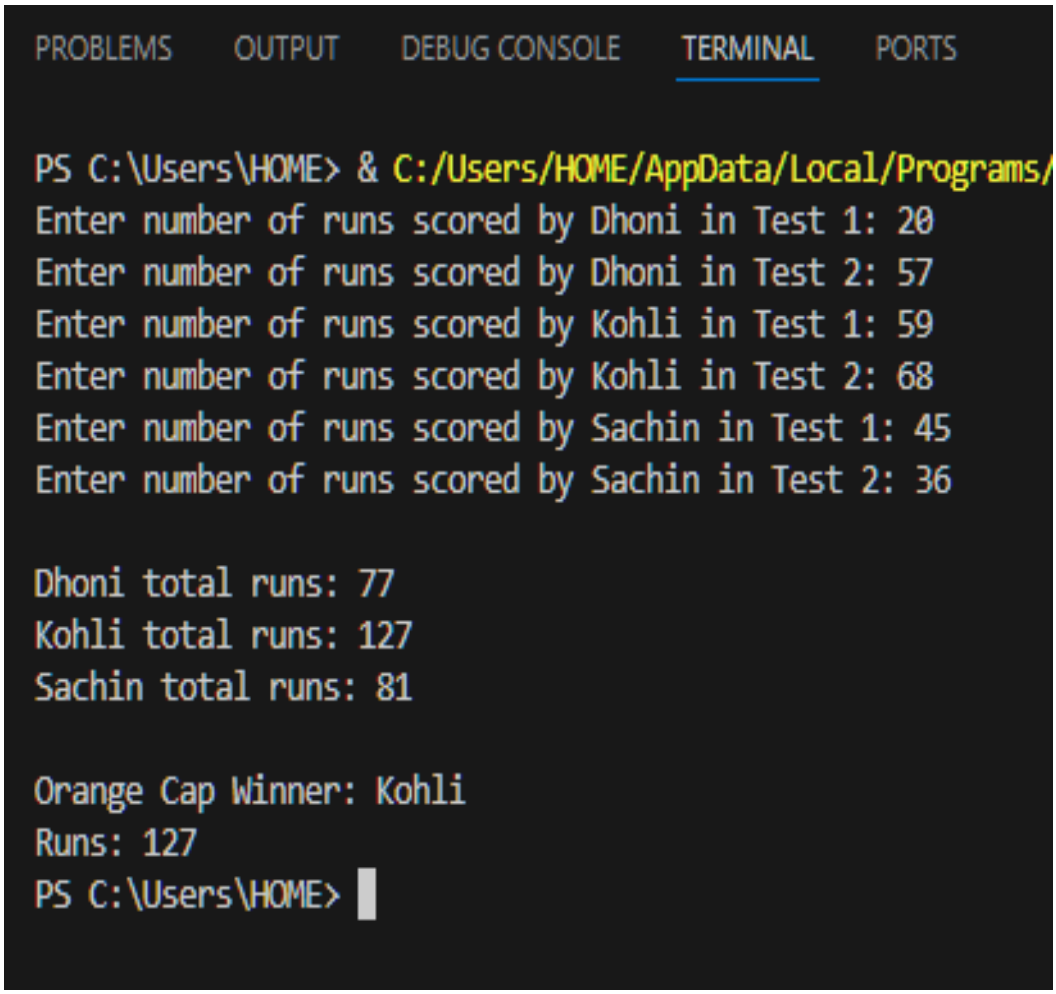
```
n = int(input("Enter a number to reverse it: "))

reverse = int(str(n)[::-1])

print(f"Reverse of {n} is {reverse}")
```

Output:



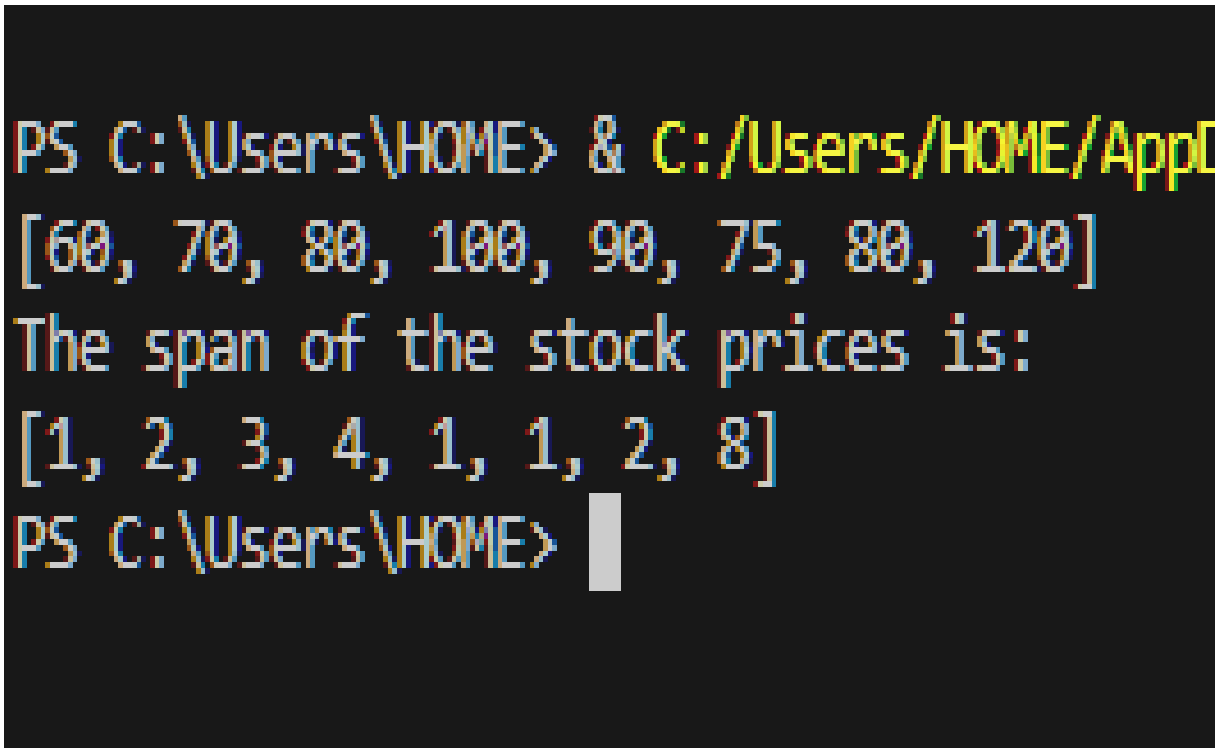
```
dhoni = int(input("Enter number of runs scored by Dhoni in Test 1: "))
dhoni += int(input("Enter number of runs scored by Dhoni in Test 2: "))

kohli = int(input("Enter number of runs scored by Kohli in Test 1: "))
kohli += int(input("Enter number of runs scored by Kohli in Test 2: "))

sachin = int(input("Enter number of runs scored by Sachin in Test 1: "))
sachin += int(input("Enter number of runs scored by Sachin in Test 2: "))

print(f"\nDhoni total runs: {dhoni}\nKohli total runs: {kohli}\nSachin total runs: {sachin}\n")

if dhoni > kohli and dhoni > sachin:
    print(f"Orange Cap Winner: Dhoni\nRuns: {dhoni}")
elif kohli > dhoni and kohli > sachin:
    print(f"Orange Cap Winner: Kohli\nRuns: {kohli}")
elif sachin > dhoni and sachin > kohli:
    print(f"Orange Cap Winner: Sachin\nRuns: {sachin}")
elif kohli == dhoni and dhoni != sachin:
    print(f"Tie Between Dhoni and Kohli\nTheir runs: {dhoni}")
elif sachin == dhoni and dhoni != kohli:
    print(f"Tie Between Dhoni and Sachin\nTheir runs: {dhoni}")
elif kohli == sachin and dhoni != kohli:
    print(f"Tie Between Virat and Sachin\nTheir runs: {kohli}")
else:
    print(f"All Players scored equal runs\nTheir runs: {dhoni}")
```

Output:


PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
PS C:\Users\HOME> & C:/Users/HOME/AppData/Local/Programs/
Enter number of runs scored by Dhoni in Test 1: 20
Enter number of runs scored by Dhoni in Test 2: 57
Enter number of runs scored by Kohli in Test 1: 59
Enter number of runs scored by Kohli in Test 2: 68
Enter number of runs scored by Sachin in Test 1: 45
Enter number of runs scored by Sachin in Test 2: 36
Dhoni total runs: 77
Kohli total runs: 127
Sachin total runs: 81
Orange Cap Winner: Kohli
Runs: 127
PS C:\Users\HOME>

```
def count_span(stocks ,spans, days):

    for i in range(days):
        span = 1
        j = i-1

        while(j >=0 and stocks[i] > stocks[j]):
            span += 1
            j -= 1

        spans.append(span)

    return spans

days = 8

stocks = [60, 70, 80, 100, 90, 75, 80, 120]

spans = []

count_span(stocks, spans, days)

print(stocks)
print("The span of the stock prices is: ")
print(spans)
```

Output:


PS C:\Users\HOME> & C:/Users/HOME/AppD
[60, 70, 80, 100, 90, 75, 80, 120]
The span of the stock prices is:
[1, 2, 3, 4, 1, 1, 2, 8]
PS C:\Users\HOME>